

FIG. 1

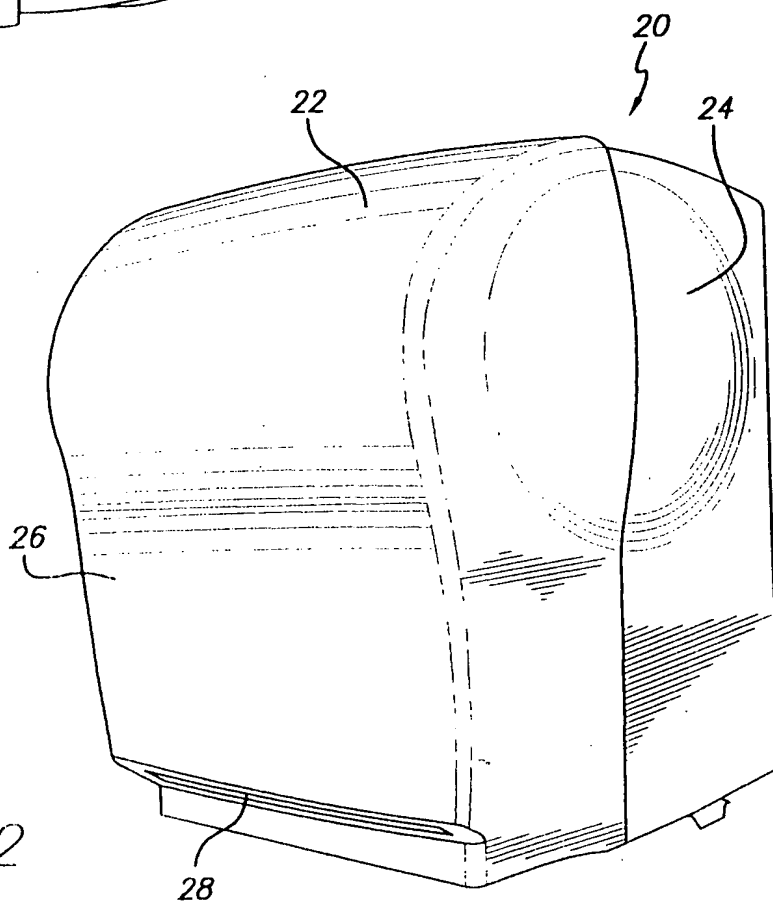


FIG. 2

FIG. 3

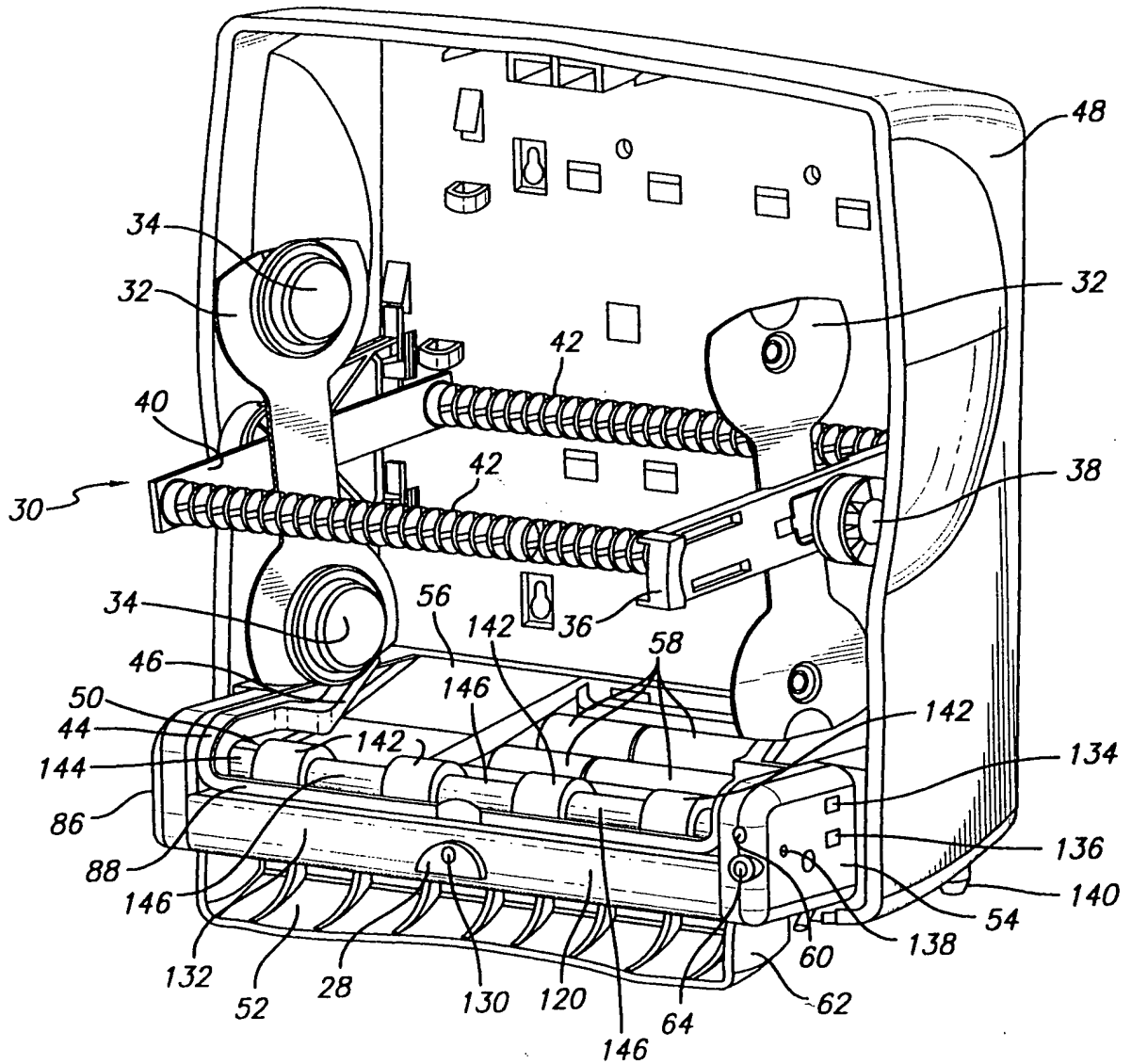
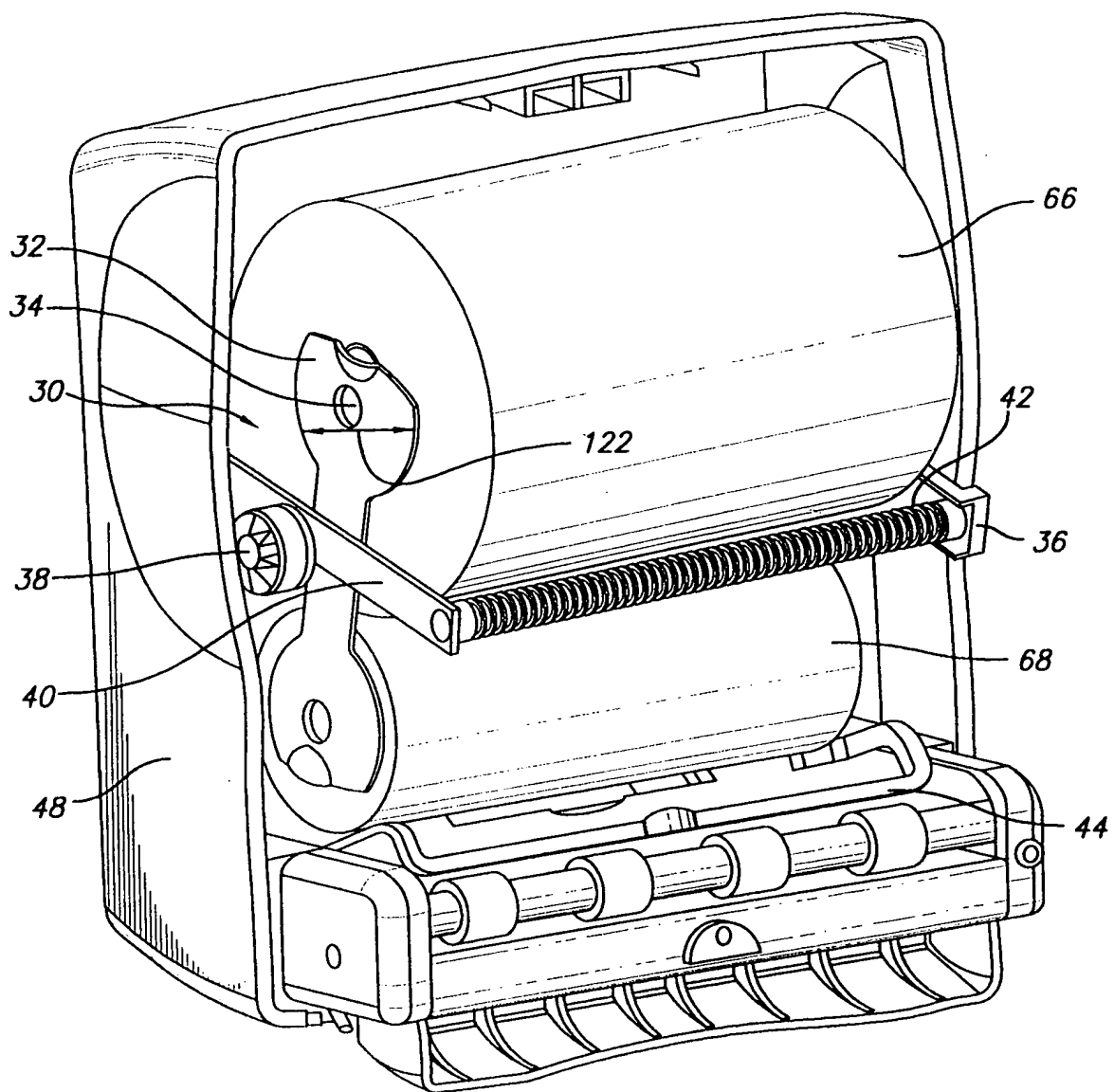


FIG. 4A



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FIG. 4B

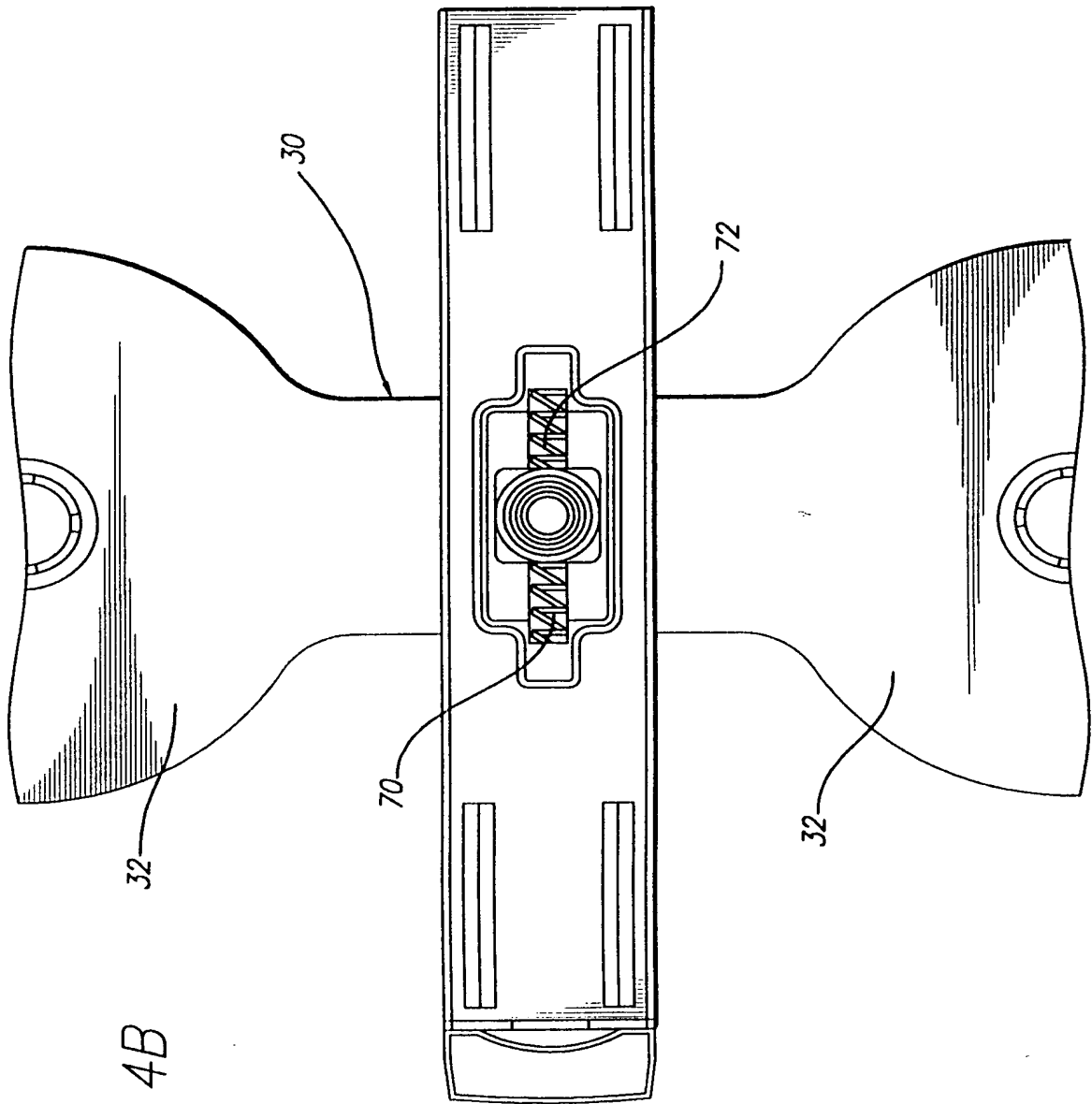
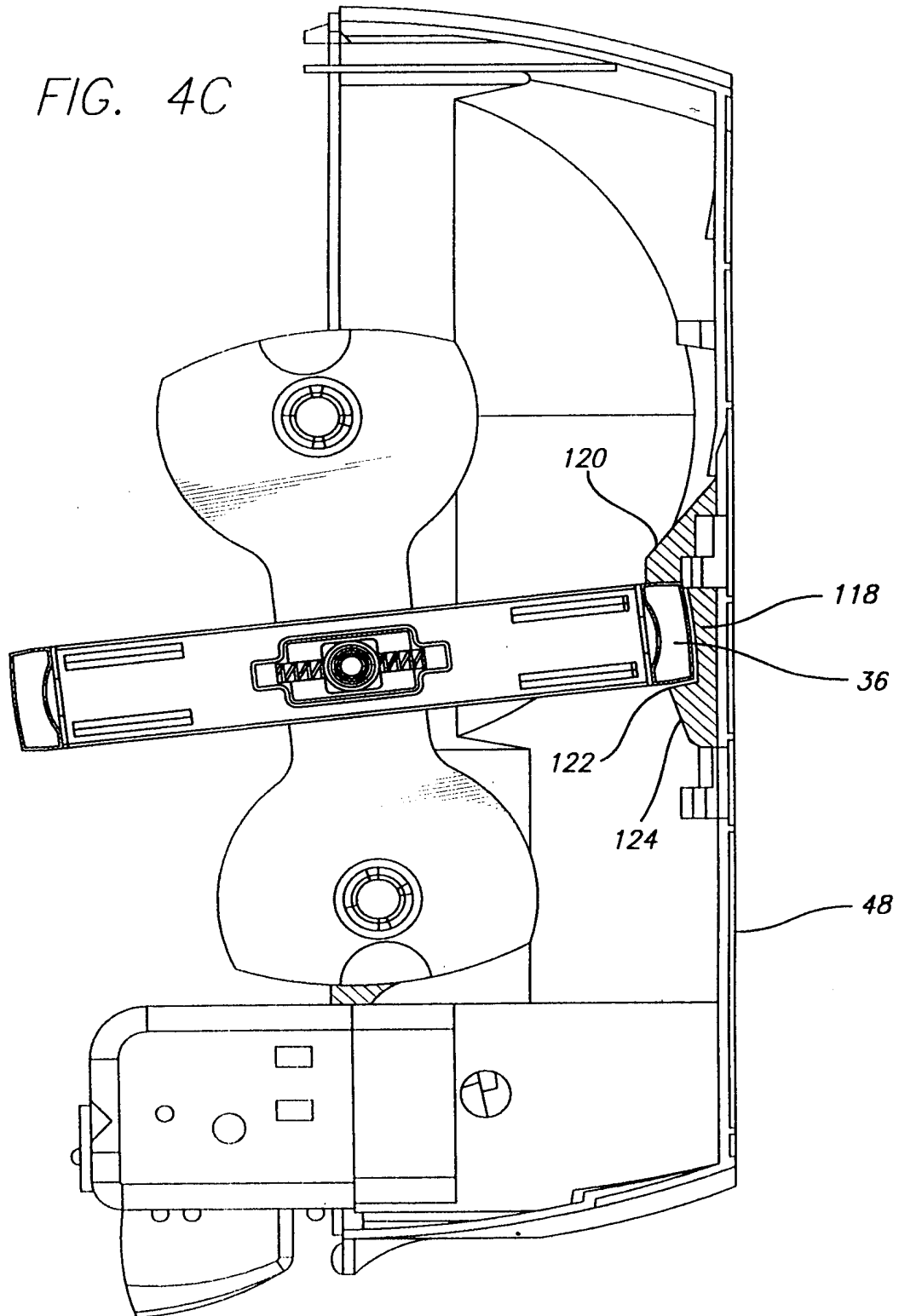


FIG. 4C



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FIG. 5

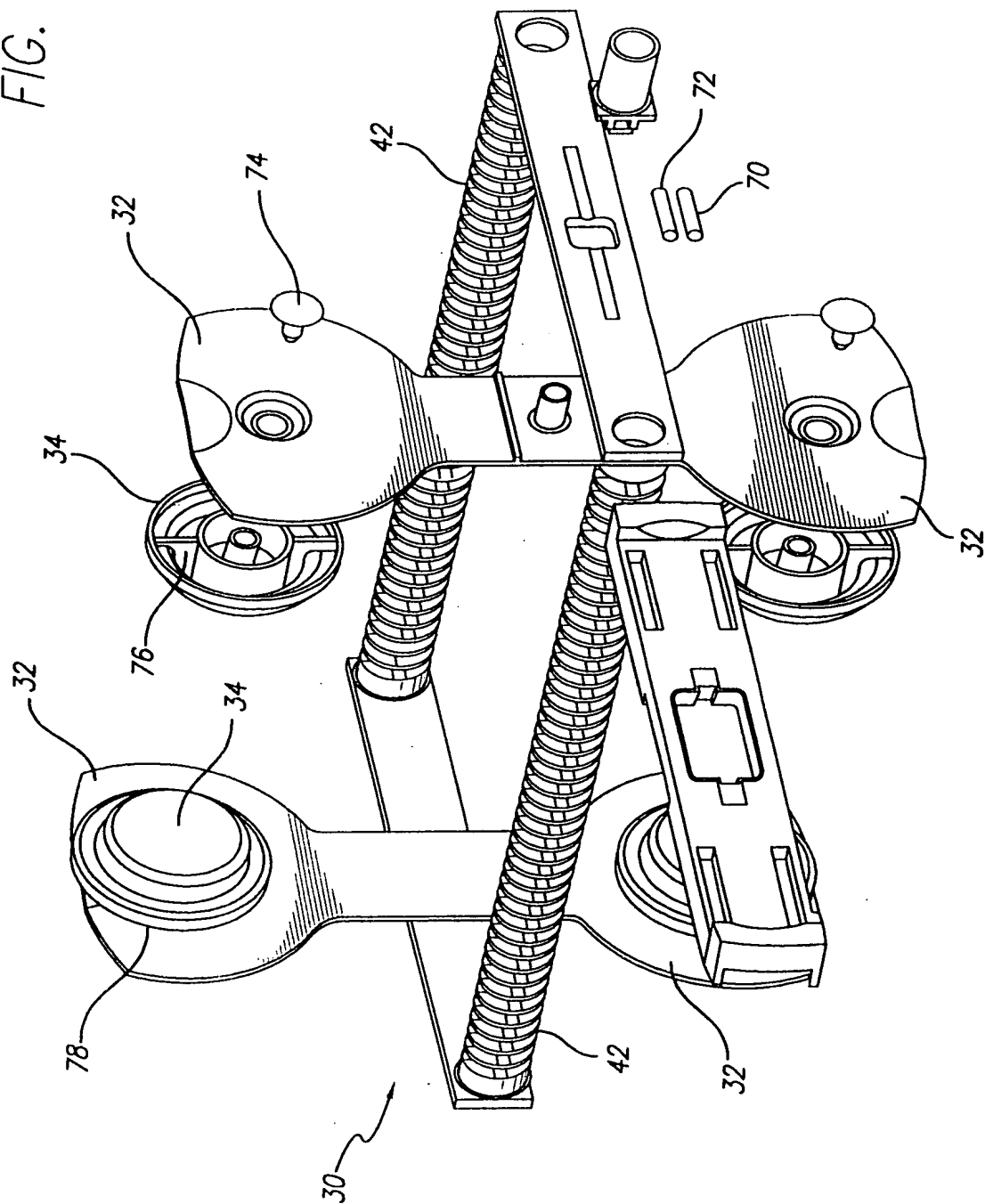


FIG. 6A

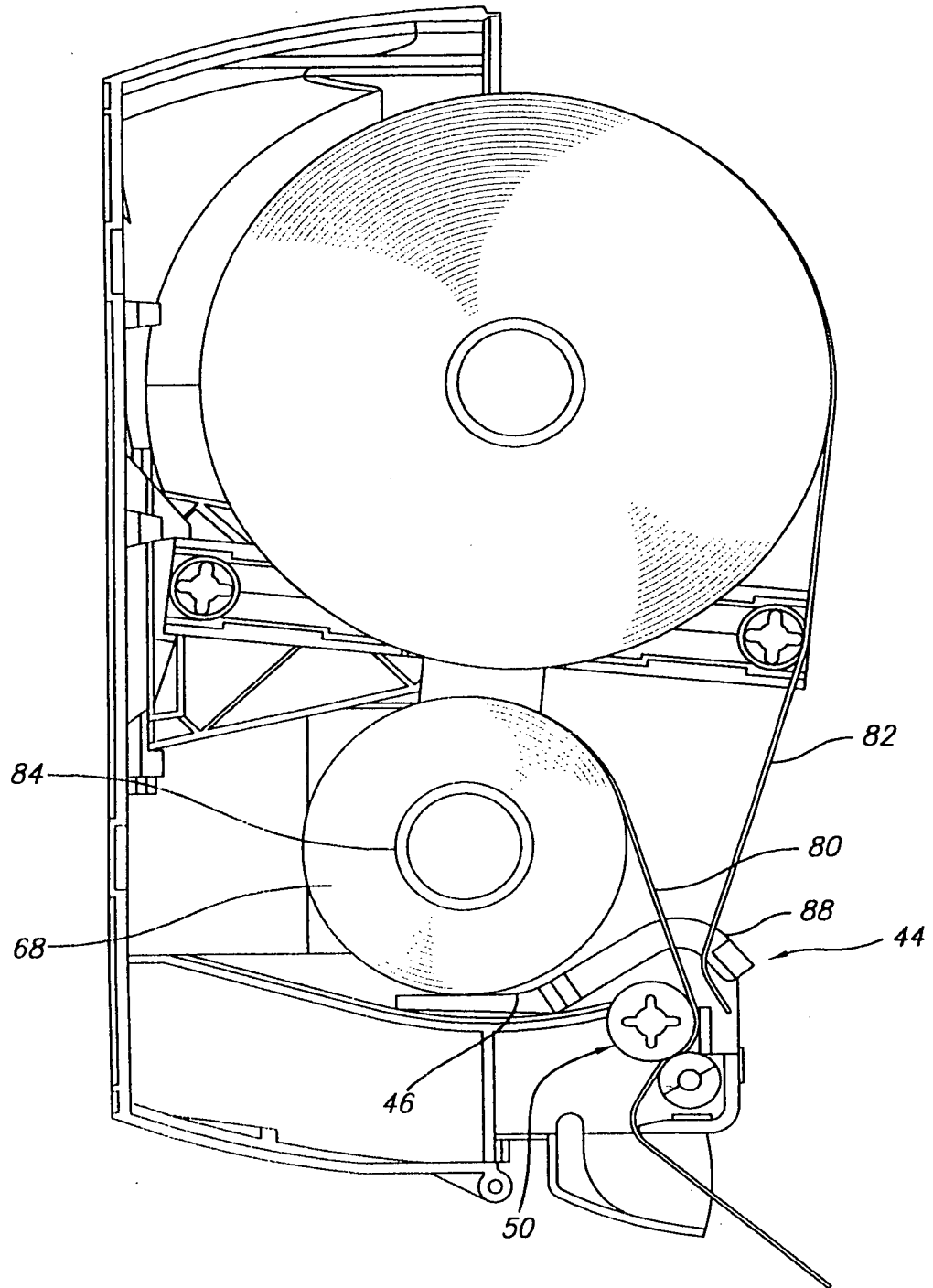
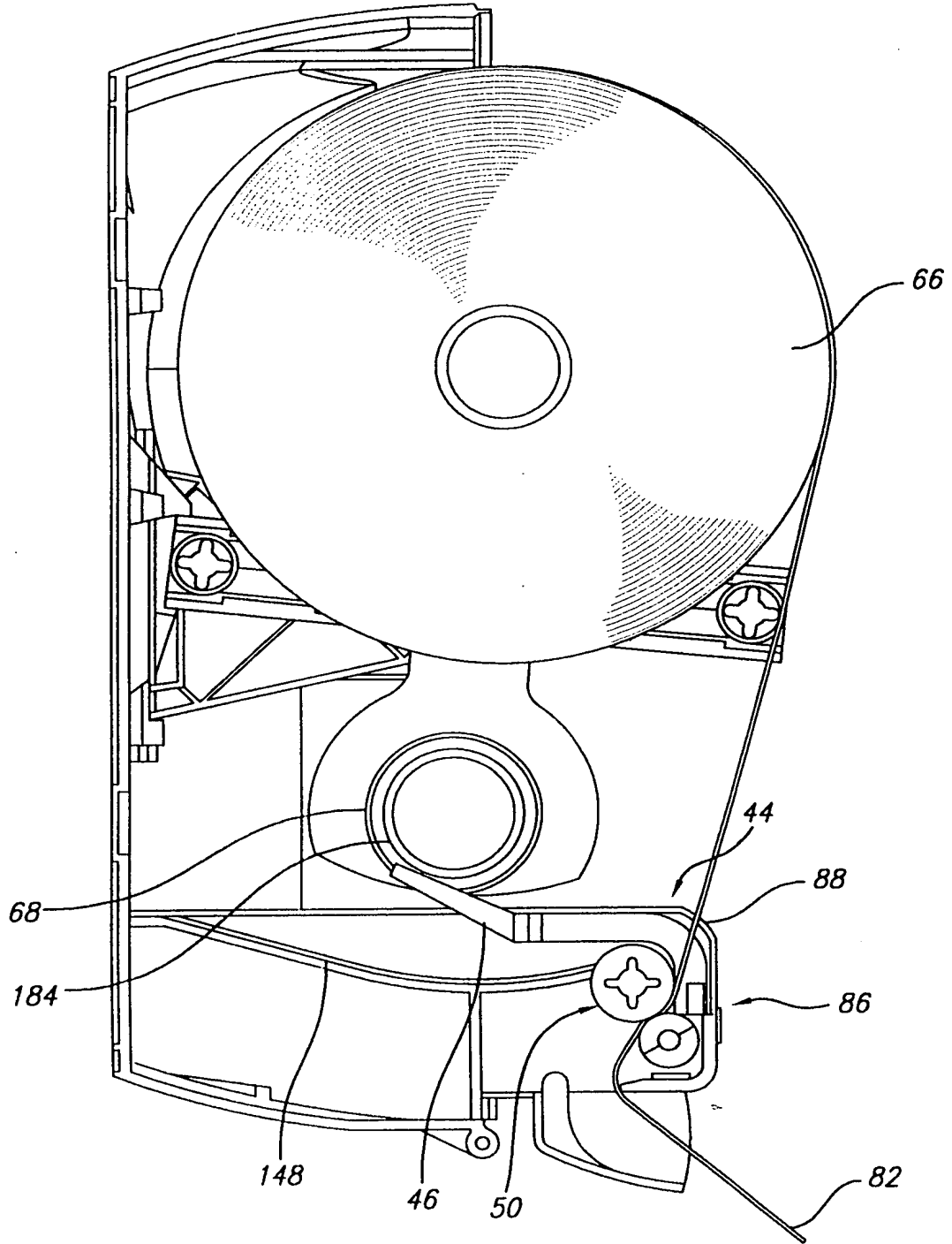


FIG. 6B



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FIG. 7A

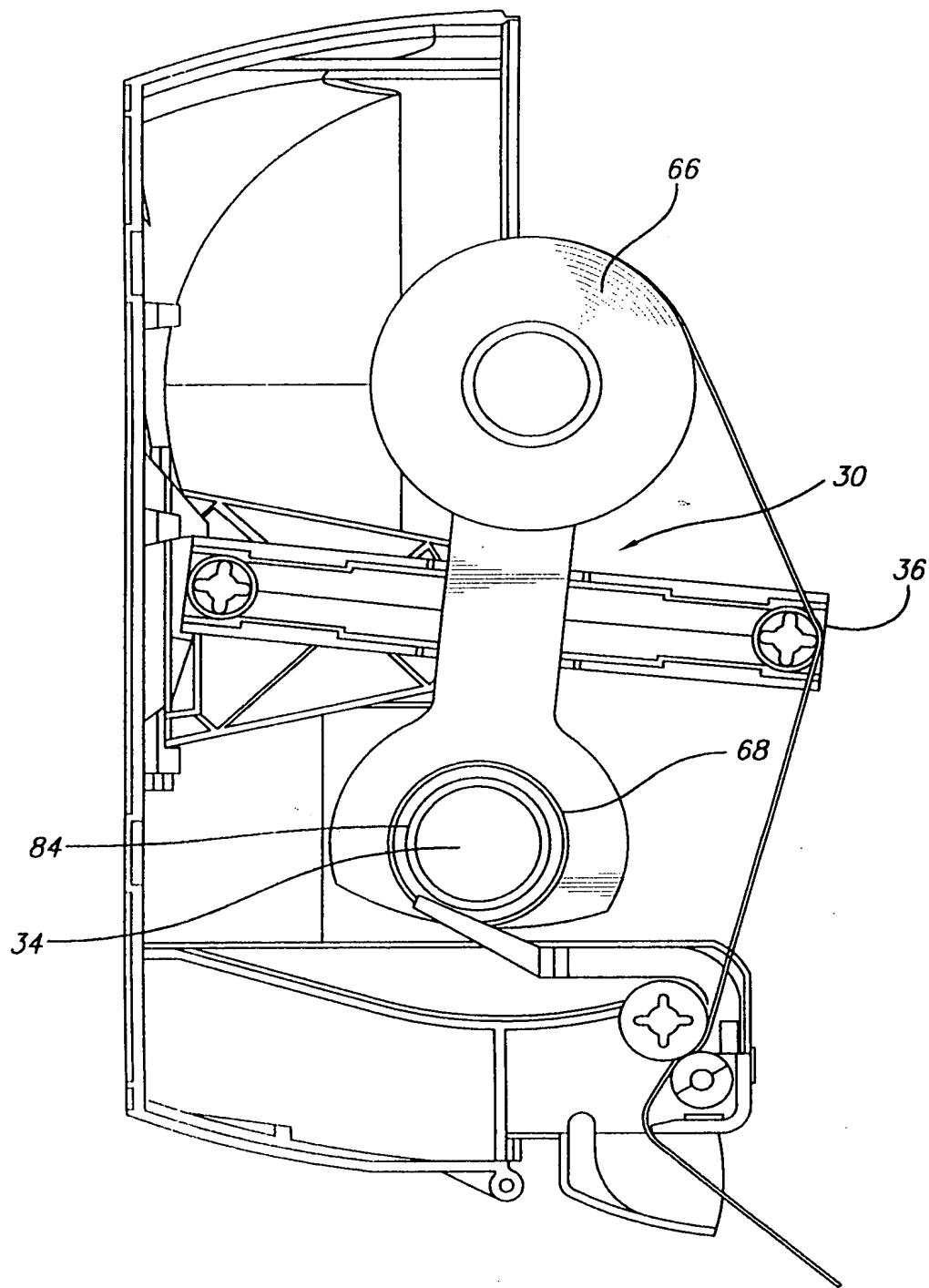


FIG. 7B

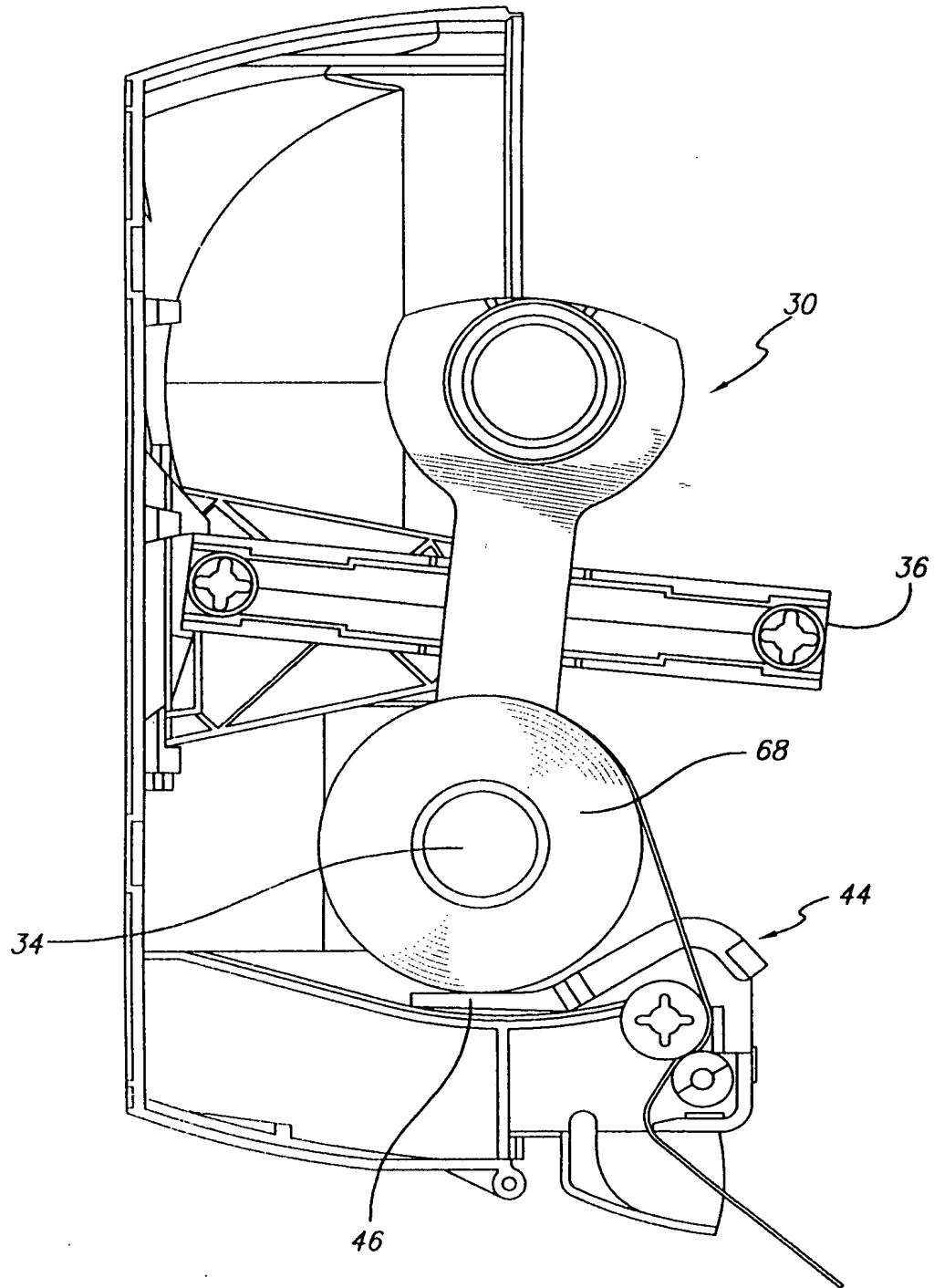


FIG. 7C

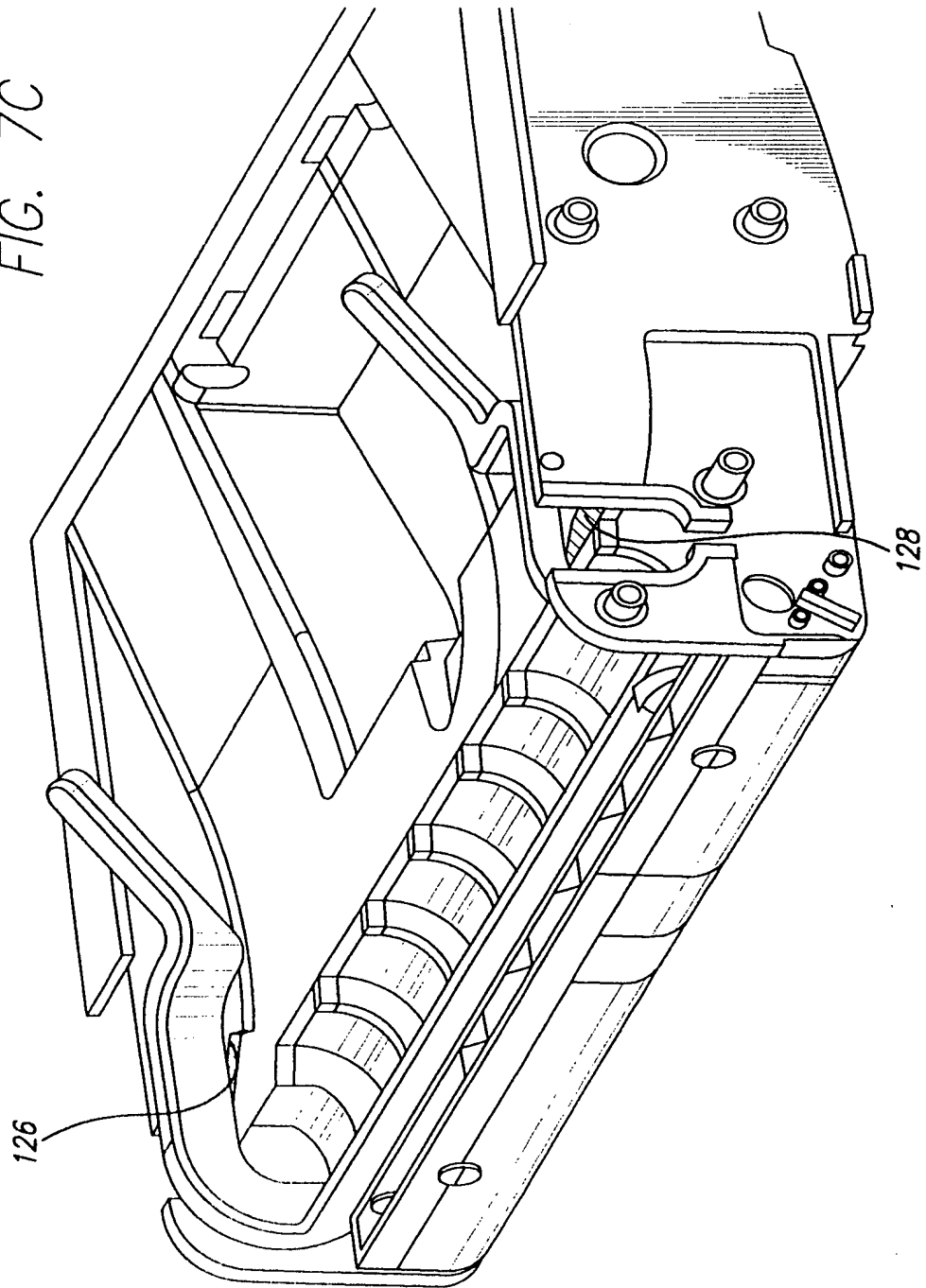


FIG. 7D

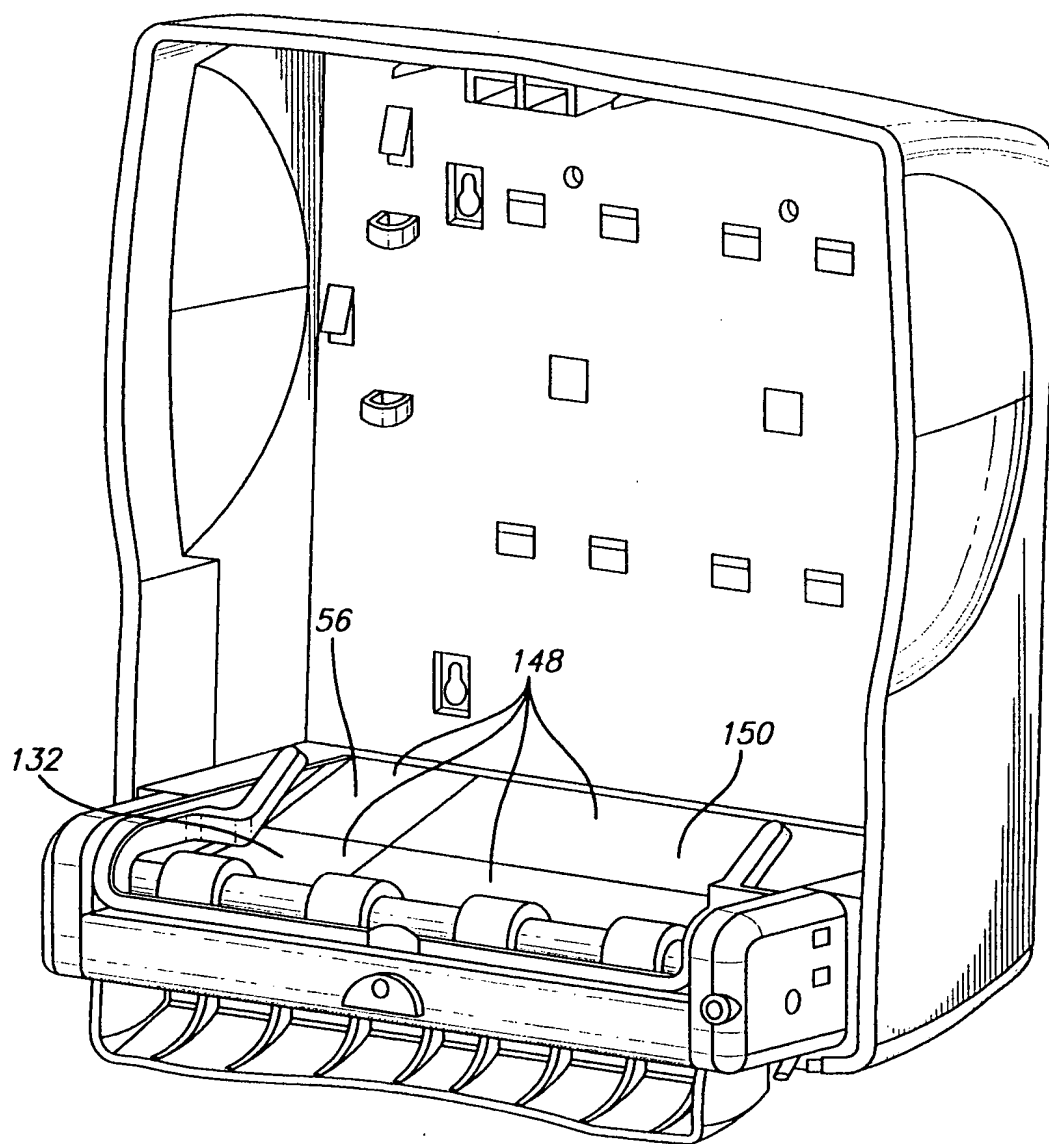
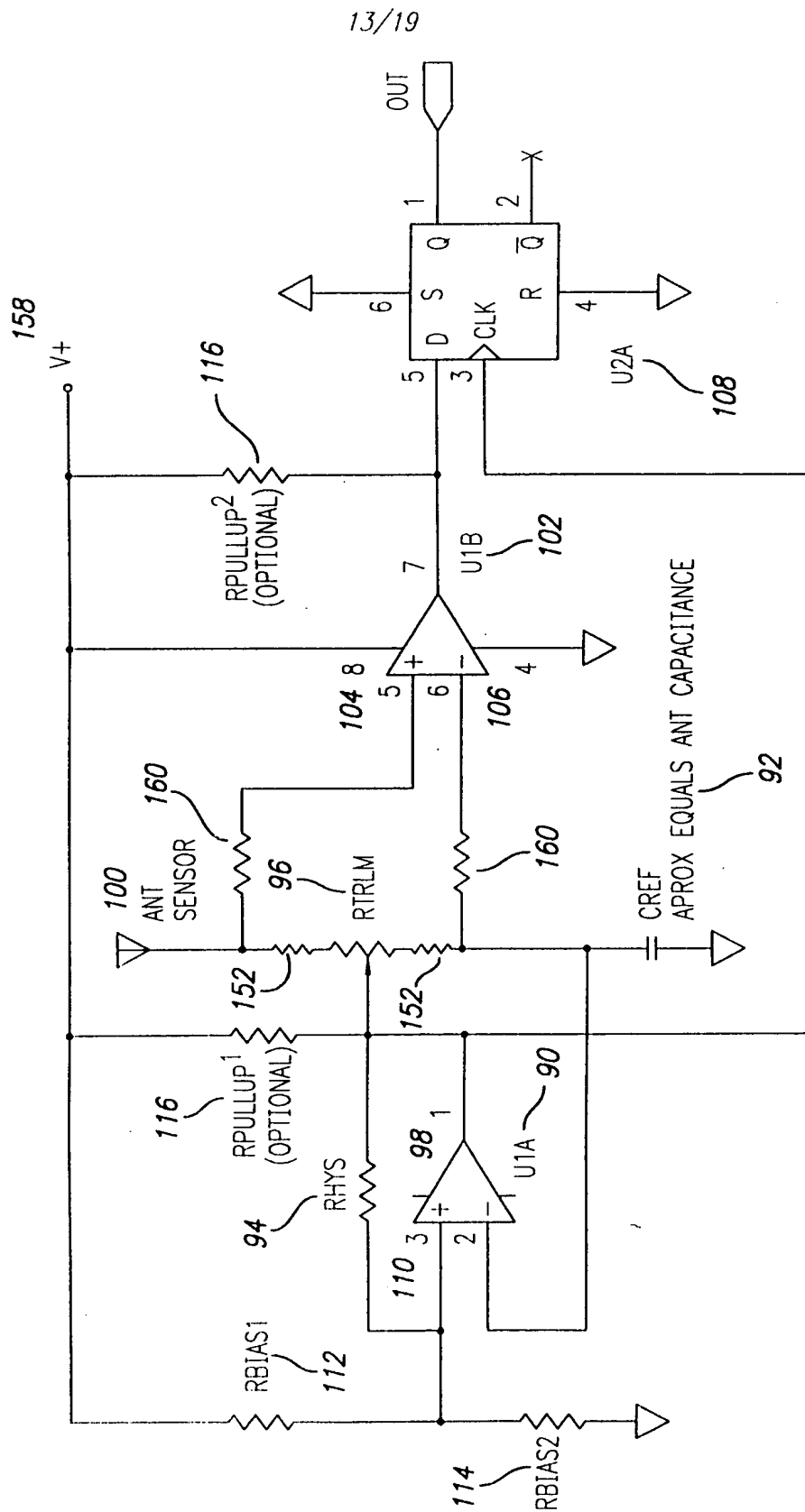


FIG. 8A



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FIG. 8B
PRIOR ART

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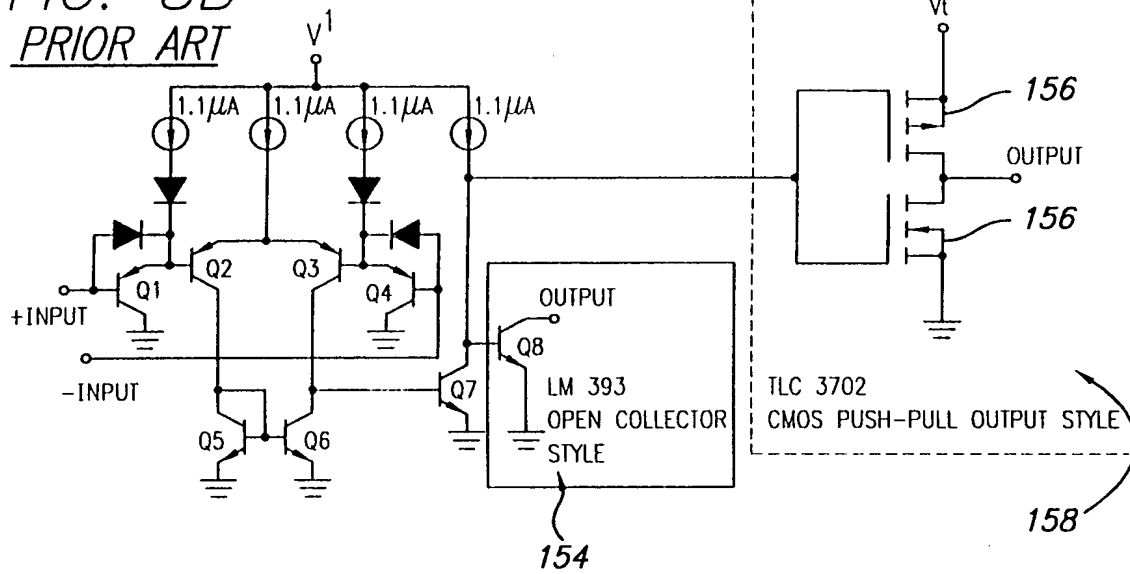


FIG. 9

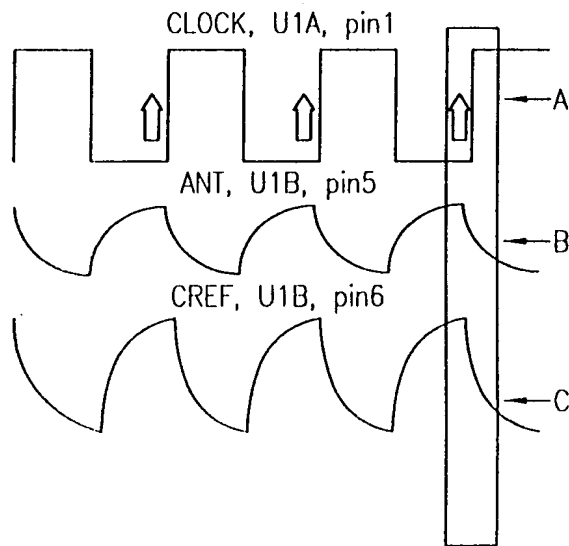
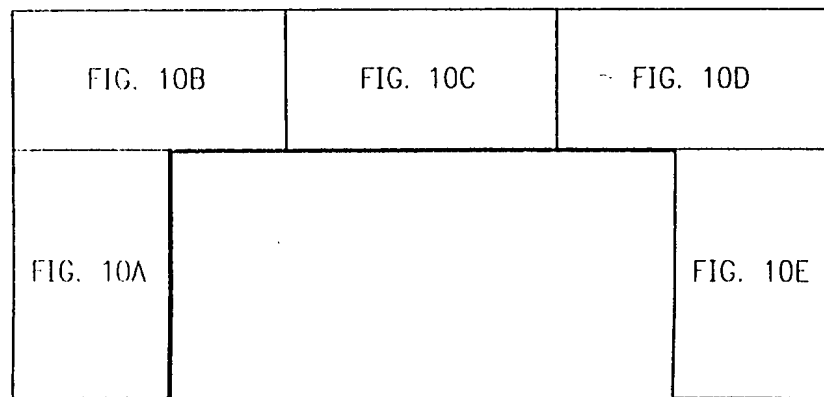


FIG. 10



09966275.099660

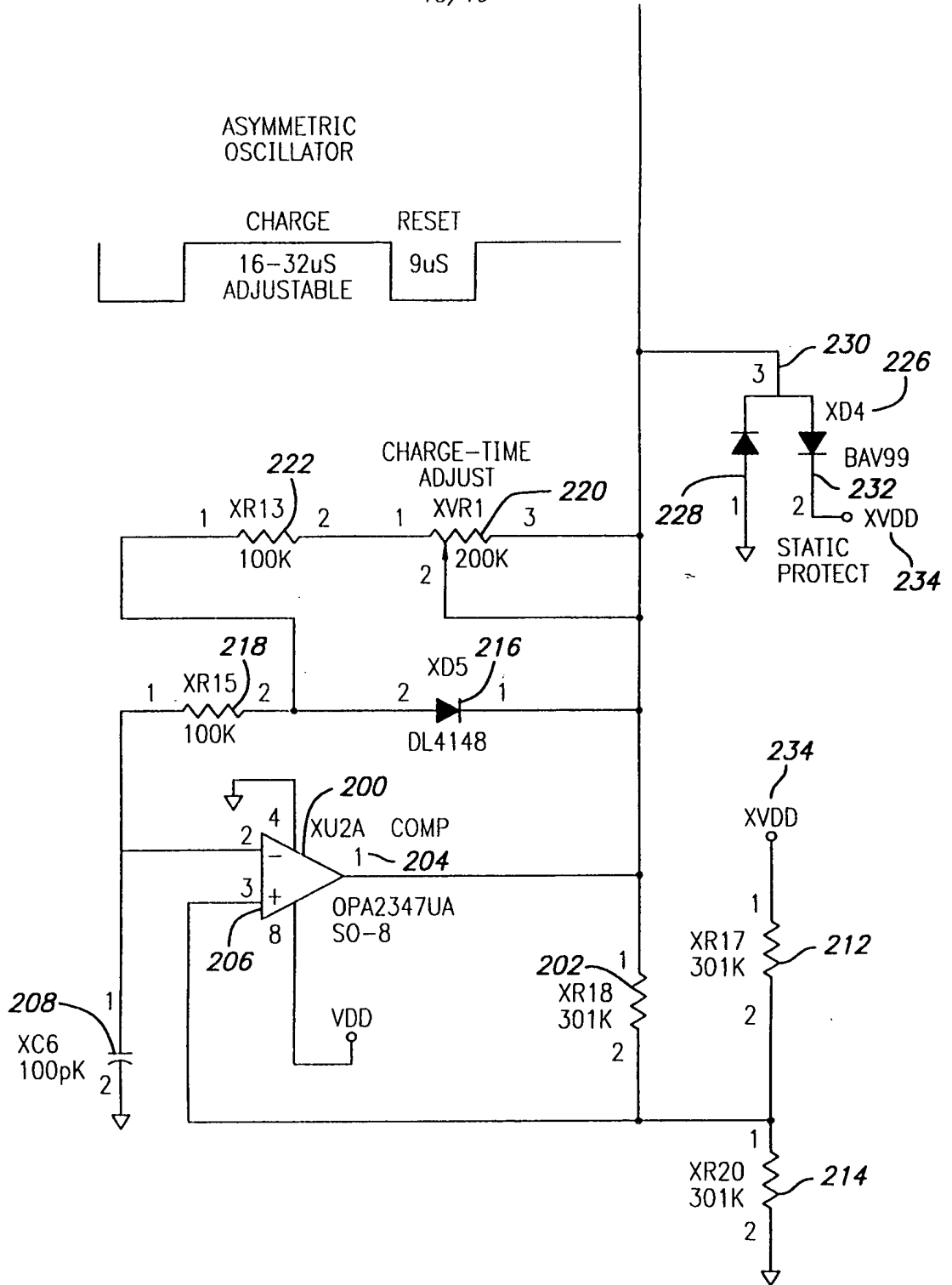


FIG. 10A

LESS EXTERNAL LOAD (LESS CAPACITANCE) CAUSES THE ANTENNA TO CHARGE TO A HIGHER VOLTAGE.

MORE EXTERNAL LOAD (MORE CAPACITANCE) CAUSES THE ANTENNA TO CHARGE TO A LOWER VOLTAGE.

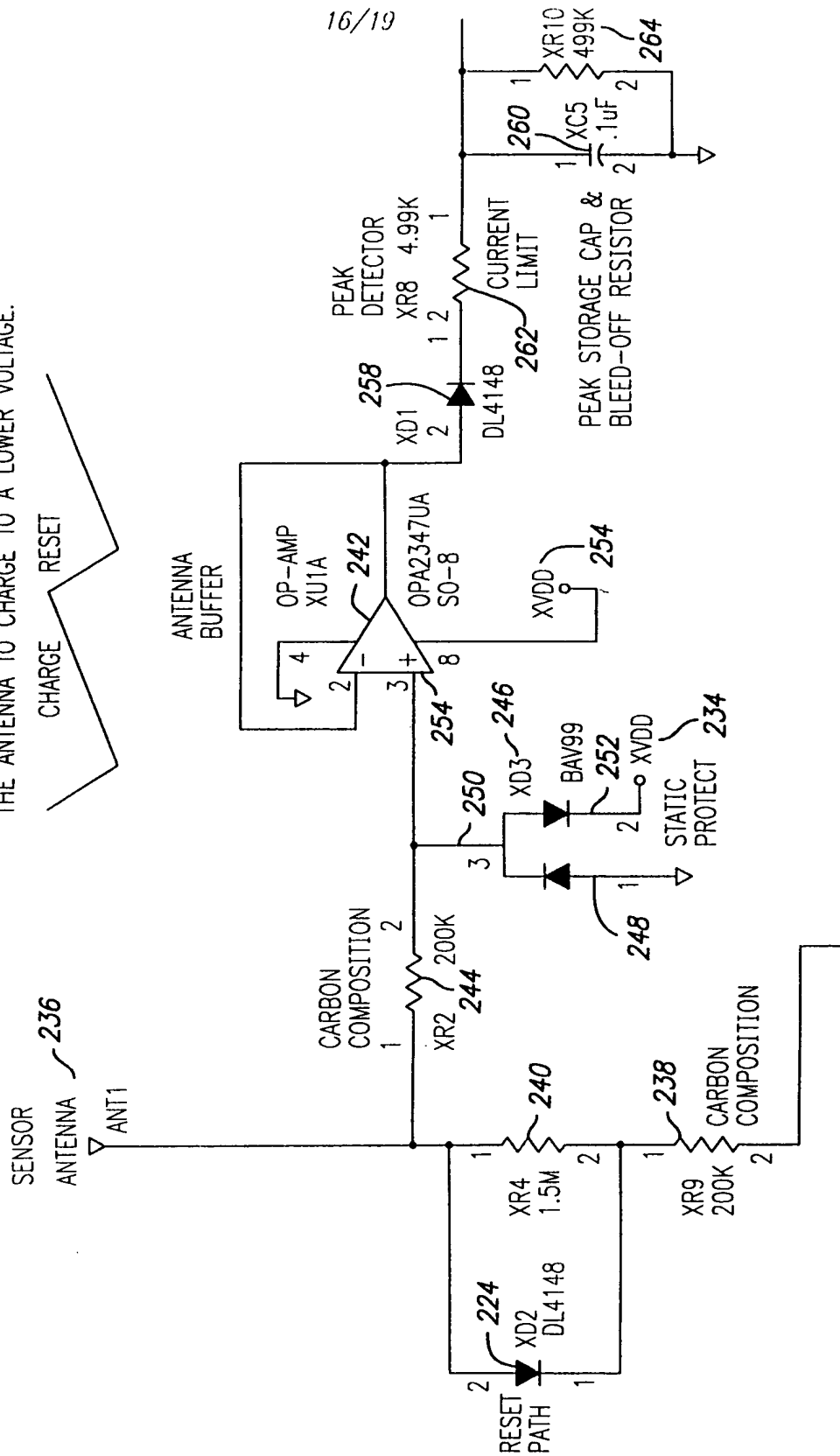


FIG. 10B

ADJUST VR1 (CHARGE-TIME ADJUST)
FOR 3.0V BETWEEN TP1 & TP2.
ALL EXTERNAL LOADING MUST BE
IN PLACE BEFORE THIS ADJUSTMENT IS
PERFORMED.

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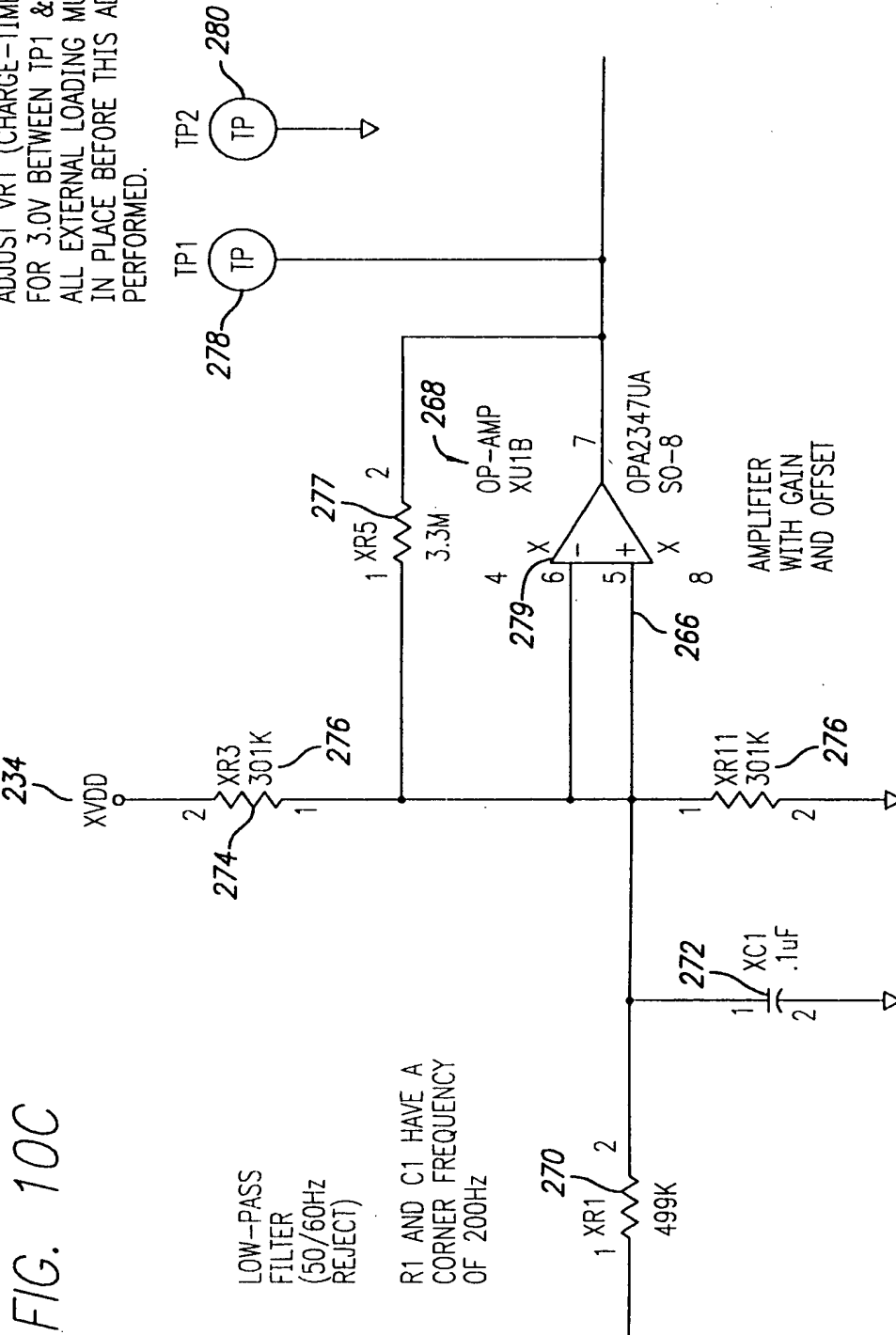
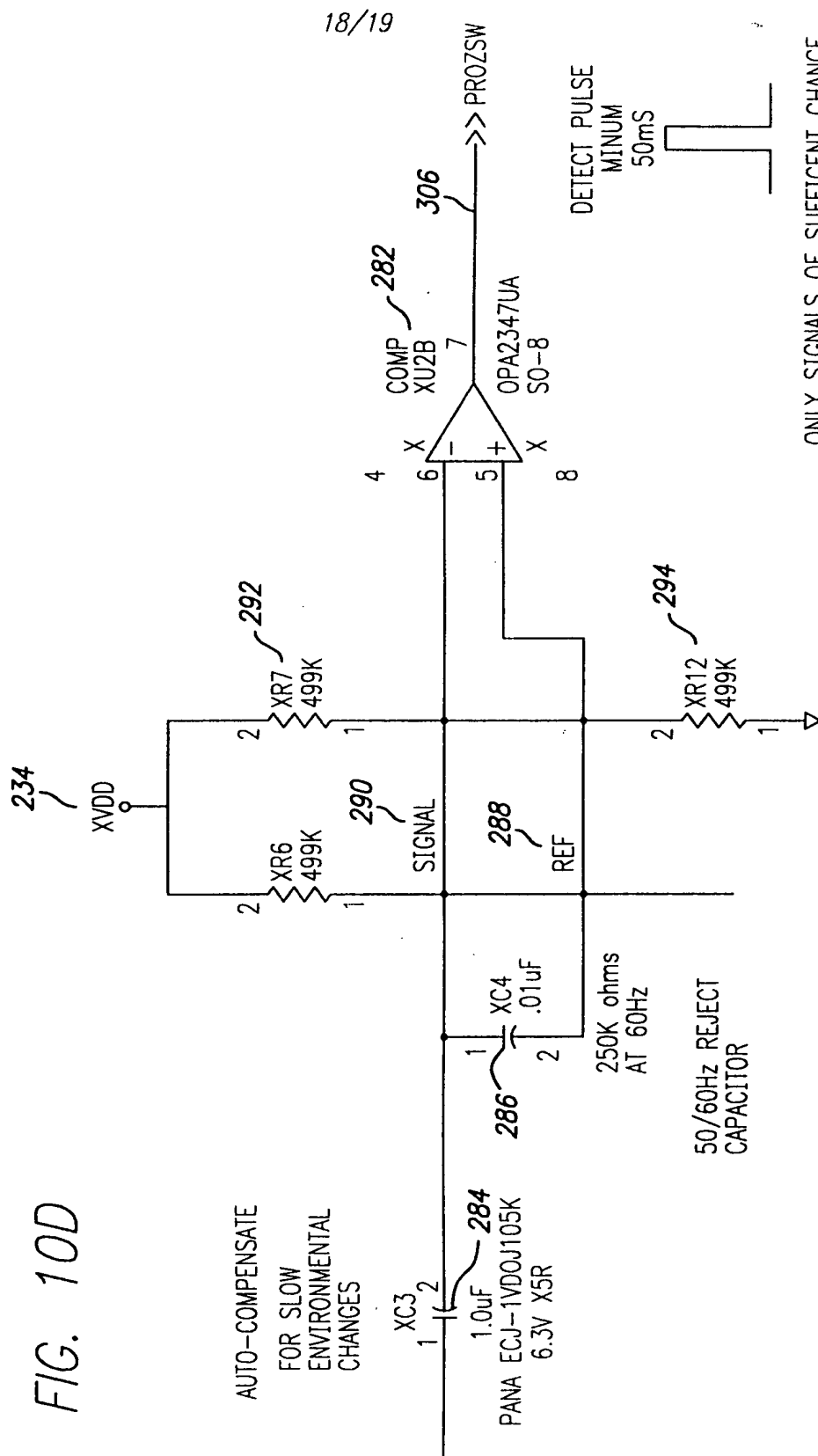


FIG. 10D



ONLY SIGNALS OF SUFFICIENT CHANGE
(SPEED, AMPLITUDE, AND DURATION)
WILL CAUSE AN OUTPUT PULSE.

THE 50/60Hz REJECT ALLOWS THE REF
TO TRACK WITH THE SIGNAL WHEN IN
PRESENCE OF 50/60Hz FIELDS.

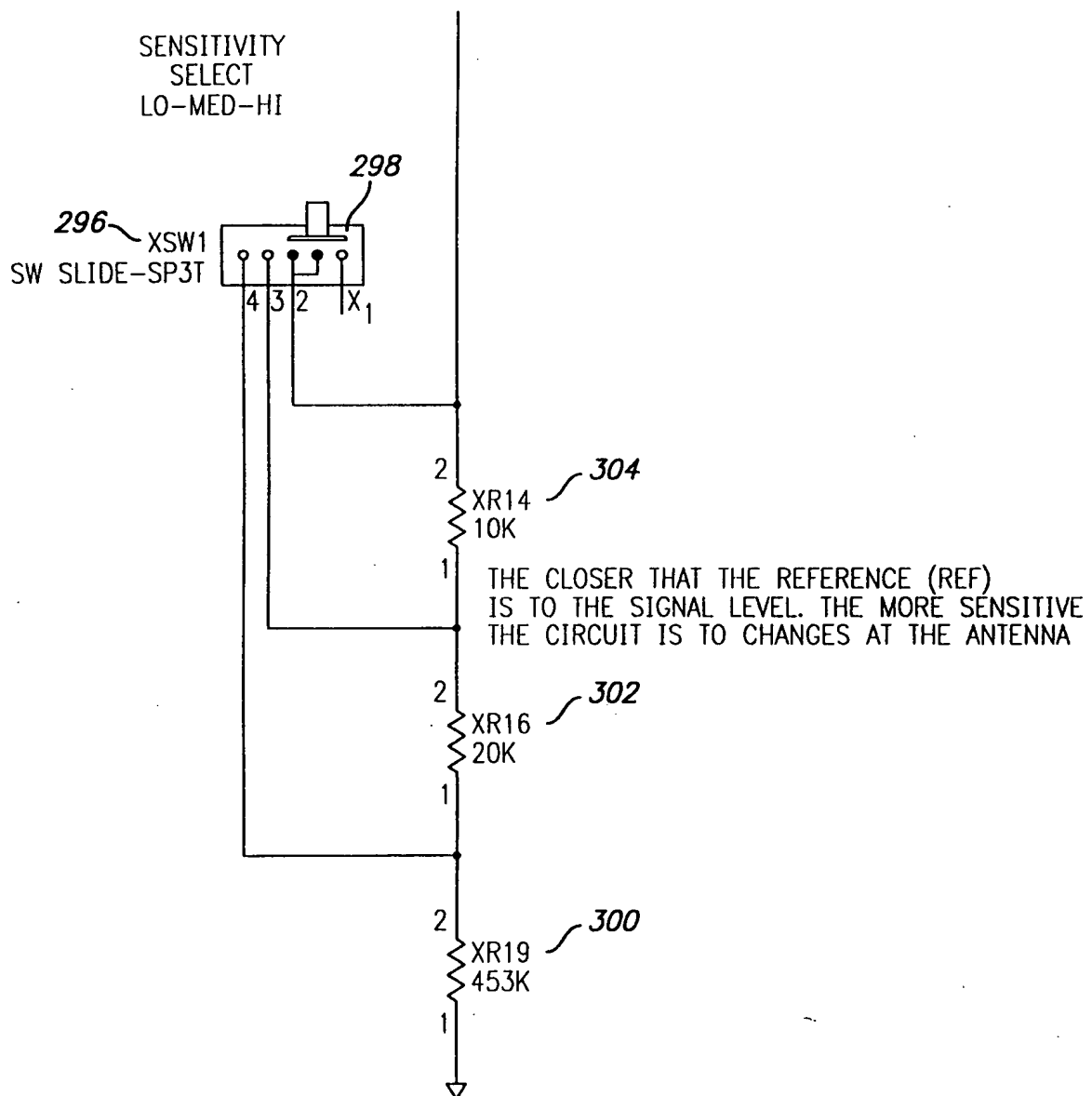


FIG. 10E